

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Bill Strangfeld <bstrang@iac.net>  
Subject: Re: Andy buys a Vibroplex  
Message-ID: <Pine.SUN.3.91.950718112350.12387D-100000@little-miami.iac.net>

> This posting mentions an old QST article on adjusting a Vibroplex bug.  
> Perhaps Andy or someone else could post the year and month of the article  
> for reference.  
>

Practitioners of the ancient art --

I don't know which article the Vibroplex Company is distributing, but here are some QST articles that I copied and filed a while ago:

"How's Your Fist," F.H. Schnell, W9UZ, QST 2/34.

"Speed-Key Adjustment," J.M. Smith, W4CNZ, QST 8/46, pp 76-77.

"Semi-Automatic Key Adjustment," Brian Murphy, VE2AGQ, QST, 2/68, pp 60-61.

Followup on the Murphy article in the 6/68 QST, p 44, commenting on the difference between the action of dot hairsprings in pre- and post- WW II models, and recommending concentration of the weight mass to slow things down effectively.

"Adjustment of Semi-Automatic Keys," Virgil Thompson, W1SEJ. This article is a copy of an instruction sheet which the Bell System used to furnish to employees and subscribers who used semiautomatic keys. It is on page 152, but I didn't write the month or year on the copy. Looks like it might be sometime in 1957.

73, Bill, bstrang@iac.net

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Grant Youngman <gyoungma@jaws.gtetel.com>  
Subject: Re: Andy buys a Vibroplex  
Message-ID: <Chameleon.950718111627.grant@nq5t.gtetel.com>

On Tue, 18 Jul 1995 10:56:08 -0500 Bill Strangfeld wrote:

snip ...

>I don't know which article the Vibroplex Company is distributing, but

here

>snip ...

They are distributing the article by Brian Murphy, VE2AGQ from 2/68 QST

---

Grant H. Youngman -- NQ5T (ex: K5VCM, W0JXE, KH6HHC, WB4BBD)

The opinions, old wive's tales, mistakes, and downright stupid comments made here are fully mine, and certainly not my employer's. My employer is quite capable of doing the same on his own behalf.

gyoungma@gtetel.com  
us007699@interramp.com

---

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Andy Wallace <wallace@mc.com>  
Subject: Re: Andy buys a Vibroplex  
Message-ID: <9507181634.AA06031@klatu>

The VE2AGQ 2/68 QST article is the one!

--Andy

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: rblank@legend.txdirect.net (Richard A. Blank)  
Subject: RE: ATLANTA HAMFEST  
Message-ID: <9507180334.AB04611@legend>

>> Just wanted to throw in my 2 cents worth on the Atlanta Hamfest from a  
>>boatanchor perspective. Prices I saw:  
>>  
>snip...  
>  
>> Sp-600JX 21 (a?) with cabinet and speaker...I did not see it but  
>> was told it went for \$700 when the doors opened.  
>  
>Sounds pricey for a straight -21. I think the -21A has a 60KHz IF strip  
>much like the 170/180. Saw one of these at Ham-Com last year (1994)  
>that was an absolutely beautiful mint radio -- inside and out -- with a

>\$1000 price tag on it. I don't believe it sold at that price (actually  
>I don't think it sold) but I was hoping it would show up again this year  
>for a bit less. (Amazing the stuff that just keeps appearing year after  
>year). No such luck this time.  
>  
>(I bought a near mint 180A from the guy, although all of my drooling was over  
>the SP-600-JX21A. Passed up a very nice HQ-145A from the same seller which I  
>still regret).  
>  
>snip ...  
>  
>  
-----  
>Grant H. Youngman -- NQ5T (ex: K5VCM, W0JXE, KH6HHC, WB4BBB)  
>  
>The opinions, old wive's tales, mistakes, and downright stupid comments  
>made here are fully mine, and certainly not my employer's. My employer  
>is quite capable of doing the same on his own behalf.  
>  
>gyoungma@gtetel.com  
>us007699@interramp.com  
-----  
>  
>

I looked at that JX-21A also, I also remember thinking what the heck  
was that guy smokin'?

I did end up buying a mint SPC-10 from him for \$150, so , I guess the  
guy must have had some idea of what those were worth...BTW, I heard from  
another reliable source that this guy had at least 3 of the JX-21A's,  
he got them from a SK estate and had only a couple of hundred  
IN THE WHOLE ESTATE, which the stuff you and I bought and saw was  
only a small part of...all this from a personal friend of the guy...  
he said that the JX-21A's were new, in the crates...the seller at HamCom  
stated that he had one at home, in the crate, that he was keeping that way...  
he also said he had sold another one for \$1000.00...

The stuff that dreams are made of....

Rick Blank, KI5SL  
2223 Blanco Road  
San Antonio, Texas 78212

AMSAT NA 26195  
KI5SL@K3WGF.STX.USA  
rblank@txdirect.net

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: HAMRLUND@aol.com  
Subject: Re: ATLANTA HAMFEST /MORE TWICE THE PRICE  
Message-ID: <950718085032\_117297262@aol.com>

DATA SHEET: SP-600-JX-21A:

FOR COMMERCIAL / MILITARY APPLICATIONS  
NOW WITH CRYSTAL CONTROLLED SWITCHABLE UPPER OR LOWER SIDEBAND.

THE SP-600 COMMUNICATIONS RECEIVER IS A 22-TUBE DUAL CONVERSION SUPERHETERODYNE, AVAILABLE IN TWO MODELS RANGING FROM 10 KHZ TO 54 MHZ. . STABILITY IS EXCELLENT, RANGING FROM .01% OR BETTER AT 540 KHZ TO LESS THAN .001% AT 54 MHZ. IMAGE REJECTION IS 72 DB DOWN, & SPURIOUS RESPONSES ARE AT LEAST 100 DB DOWN. SENSITIVITY IS A 0.75 TO 1.0 MICROVOLT CW/SSB AND 1.50 TO 2.0 MICROVOLTS AM FOR A SIGNAL TO NOISE RATIO OF 10 DB.  
VERNIER LOG SCALE: 600 VERNIER DIVISIONS FOR EACH FREQUENCY BAND READABLE TO ONE-TENTH DIVISION MAKING 6000 READABLE DIVISIONS PER BAND.

THE SP-600JX-21A WAS THE LAST OF THE SUPER PROS, MADE FROM SOMETIME IN ( MY LIST SHOWS OCTOBER )1969..AT \$1595.00 LIST TO (LAST LISTING I HAVE) JANUARY 1970 AT \$ 1695.00

SO YOU SEE THE LIFE SPAN OF THE JX - 21-A IS A VERY BRIEF AND SHINNING MOMENT IN HAMMARLUND HISTORY, BUT, IS IT WORTH IT?, WELL TO THOSE WHO WANT THEM AND HAVE SEARCH FOR YEARS WITH NO LUCK, YES!  
THINGS ARE ONLY WORTH WHAT SOMEONE WILL PAY, YOU COULD HAVE A BILLION DOLLAR ITEM, BUT IF YOU SELL IT FOR 100,000.00 , THEN, THATS ALL IT'S WORTH. VALUE IS SOMETHING ALL OF US MUST JUDGE FOR OURSELVES, IF WE PAY THE PRICE AND WE ARE CONTENT, THEN WHOSE TO SAY "YOU PAYED TO MUCH!!"

Robert

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Grant Youngman <gyoungma@jaws.gtetel.com>  
Subject: Re: ATLANTA HAMFEST /MORE TWICE THE PRICE  
Message-ID: <Chameleon.4.00.4.950718090509.grant@nq5t.gtetel.com>

>DATA SHEET: SP-600-JX-21A:

>  
snip.....  
> VALUE

>IS SOMETHING ALL OF US MUST JUDGE FOR OURSELVES, IF WE PAY THE PRICE AND WE

>ARE CONTENT, THEN WHOSE TO SAY "YOU PAYED TO MUCH!!"

>  
>Robert  
>

I came close enough to laying out the \$1000 for the one I saw, that it made be break out in a sweat. Only thing that saved me was fear of divorce and a mortgage payment due :-) Had I had it, there wouldn't have been much regret -- I'd rather spend that kind of money for something like that JX-21A than similar money being commanded for things like 75S3Cs and the like.

Grant

---

Grant H. Youngman -- NQ5T (ex: K5VCM, W0JXE, KH6HHC, WB4BBB)

The opinions, old wive's tales, mistakes, and downright stupid comments made here are fully mine, and certainly not my employer's. My employer is quite capable of doing the same on his own behalf.

gyoungma@gtetel.com  
us007699@interramp.com

---

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: rblank@legend.txdirect.net (Richard A. Blank)  
Subject: Re: ATLANTA HAMFEST and other stuff...  
Message-ID: <9507180334.AD04611@legend>

> Just wanted to throw in my 2 cents worth on the Atlanta Hamfest from a  
>boatanchor perspective. Prices I saw:  
>  
> Heath apache...pretty beat...the guy wanted \$5  
> Hallicrafters sx-101...nice...\$250  
> Hallicrafters sx-42a...intact but dirty...\$35  
> RCA AR-88...nice rig...price marked was \$250 or so  
> E.F. Johnson Ranger 2...\$190  
> National 183D sold for \$250, it was mint  
> Sp-600JX 21 (a?) with cabinet and speaker...I did not see it but  
> was told it went for \$700 when the doors opened.  
> Three R-388s ranged from \$250 to \$295  
> SP-600JX-26 , no covers , a bit dirty....\$450  
> Hallicrafters Sky Buddy , nice one, \$100  
> Hammarlund HX-50 x-mitter, mint with manual \$100 (this one  
> went home with me)

> Hallicrafters speakers R-46 and R-46a...\$65 to \$85  
> National SW-3, FB-7 with doghouse p.s....mint with coils...\$999  
> There was more but can't recall everything!  
>  
>It was a nice fest, my first trip to this one. I did not make it two the  
>tailgate area located about 1/2 mile from the fest. Met two fellow BA listers  
>there. Hope to see BA listers at the upcoming Huntsville Hamfest in august.  
> 73 de Bill, AC4LC  
>

When did the price of SuperPro's get so high?! I always thought those were good \$150.00 radios....the JX-21A would probably be a nice radio with its product detector and selectable sidebands, but, is it worth more than twice the price of a mint condition HQ-180AC w/speaker?

BTW, I went to a SK sale this weekend and returned with a few goodies:

Collins 75S-3A w/CP-1

Autek QF-1A, mint, \$5.00

General Microwave Corporation Model 550 WWV Receiver..neat radio with a scope for comparing local standards against WWV..\$15.00

Nems-Clark NC-1501A..Nice condx, havent tried it to see if it works...\$10.00

2- R-388's for parts, complete except for meters and one BFO assy and missing some knobs...\$50.00 for both...

Boxes and boxes of brand new "Vitamin-Q" capacitors....

A box of catalogs & books with a Radiotron 4th for \$5.00

Seth-Thomas 24hr A/C clock (hope it's more accurate than my battery one!)..\$5.00

Jensen "Voice Master" speaker on heavily weighted stand...\$5.00..a real neat little speaker tailored especially for voice reproduction..true contemporary for many BA's

And a bunch of other stuff...

The 75S-3A is one of the best I've seen, that is, after I took it apart and cleaned it, repainted the end-bells of the choke, soaked and washed the knobs and soaked them in an Armor-all type stuff, etc., etc. The rig has 4.0, 2.4 and .2 kc filters in it, I found it interesting that the 200 cycle filter is a crystal lattice, not a mechanical one...The case was kinda scratched up, etc., and the trim ring could use repainting to really look new, but, I stuck the radio in a 351R-1 rack mount and it sure looks good sitting between a

restored light grey R-390/URR and a dark grey R-390A/URR,I can hardly see the rub marks on the trim ring....the PTO in this rig is probably one of the most linear ones that I have seen in my Collins gear, it has probably no more than 1/64" of spread from one end of the dial to the other...I was really impressed. I am using right now to SWL while I take care of the e-mail...

After seeing the \$400 and up prices on SP-600's I almost feel guilty for having spent only \$215 on this radio and the CP-1 ;->, and that was at asking prices...there was another vulture hovering around the radio, so, I didn't hesitate.....he's more of a profiteer than a collector!

Have Fun!

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AMSAT NA 26195  
KI5SL@K3WGF.STX.USA  
rblank@txdirect.net

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: durham@w2xo.pgh.pa.us (James C. Durham)  
Subject: BA Suggestion for your computer!  
Message-ID: <199507180156.VAA04648@w2xo.pgh.pa.us>

I came across a boatanchor relay made by Agastat, type NE-11S, time delay 30 seconds. They come in various timings. These are pneumatic relays that were originally used in 1950's style broadcast rigs. They have the property of coming unlatched immediately when coil voltage is removed, but take the length of time stated on the label to reclose. They reclose in this time even if the coil voltage has only been off for milliseconds.

Put one of these in series with the AC to your computer. I found that what screws the works and scrambles your hard drive is not when the power just goes off and stays off, then comes back on. What screws up the drive is when it goes off, comes back on, goes off, comes back on several times. The Agastat will prevent all this. It won't restore power until it has been on solidly for whatever time is on it's label. No more wham..click..wham...click..!

Just thought I'd suggest this application if you see one laying around at a 'fest!

-Jim Durham

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>  
Subject: BA's in Yellow Sheets  
Message-ID: <48997.owen@apollo.eeel.nist.gov>

For those of you who don't get the yellow sheets--there were several items in the issue that I received yesterday that may be of interest. Please understand that I have no knowledge of accuracy.

R-390A \$300.00 N3VQS 410-879-0314

Drake T4XB/R4B/AC4 \$250.00 Heath VF-1 VFO W0HKN 515-223-4732

Hallicrafters SX-96 &R46B mint \$200.00 AE4EN 910-686-4236

Hickok 6000A tube tester \$50.00 Doug 605-361-3526

Viking II CDC \$200, Viking II \$150, Harvey-Wells T-90/PS \$150 TBS-50A/PS  
\$100 Joel 313-453-8303

Hammarlund HQ-170 good \$85; Johnson Challenger Excellent \$70; HQ-140X  
excellent \$110 shipping paid Doak N4IBX 706-335-3185 day; 706-282-0639  
night.

Hope someone finds something of interest here. 73 Jim K4CGY

James C. Owen, III

National Institute of Standards & Technology (NIST)

Bldg 225/B360

Gaithersburg, MD 20899

1-301-975-5623

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: clarke@acme.ist.ucf.edu (Thomas Clarke)  
Subject: BEST CW TRANSMITTER  
Message-ID: <m0sY0Qd-0006WsC@next1.acme.ist.ucf.edu>

Category 3. homebrewed is easy.

It is a corollary of Beranek's Law:

The best CW xmitter is the most recent one that you have built.

Tom Clarke

KE4VFH

Beranek's Law comes from Acoustics by Leo Beranek. It goes somthing like:

If you carefully design your speaker enclosure and select the best speakers, then when you build it, it will sound better than any other speaker in the world.

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: Bug Article: CQ August 72  
Message-ID: <9507181718.AA05171@speckle.ncsl.nist.gov>

Anchorites:

Anoatherr article is:

"Adjusting and Cleaning of Speed Keys (Bugs)"  
Al D'Onofrio, W2PRO  
CQ August 1972

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

---

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: bwb@sirius.triad.com%triada.triad.com@triada.triad.com (Bruce Bacon)  
Subject: Canoe Anchor Schematic Found  
Message-ID: <9507181653.AA02521@sirius.triad.com>

Hello all,

Thanks to everyone for the outstanding response! The canoe anchor schematic has been located and is on it's way. The BA list strikes again!

--

-Bruce Bacon KE6GLS (replies to - bwb@triad.com) Livermore, CA

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: tschuld@gpu.srv.ualberta.ca (Chris Dorn)  
Subject: Cleaned Drake Dials  
Message-ID: <199507181601.KAA25783@bock.ucs.ualberta.ca>

Well,

I tried soap and water, that helped a bit. Then I tried lemon juice, that helped a bit more. One of you suggested Fantastik. I dampened a spot on a paper towel, and tried it an area where the dial is seldom seen. It seemed

okay, so I cleaned the rest of the dial with it. It removed most of the scum that was going to come off. There was no damage to the plastic or the dial numbering. The dial is about 70% clean now, and the rest I think, is permanent. To get in between the dials, I took a thin stick, folded a wad of paper towel on the end, dampened it with cleaner, and gently pushed it between the dials and ran the tuning. I was a smoker for 15 years, and no photos of blackened lungs could sway me. They should have shown me this instead!  
Chris VE6RDC

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: johnmb <johnmb@nando.net>  
Subject: Cleaning Drake (and other) Dials  
Message-ID: <Pine.SUN.3.91.950717193017.7337C-100000@parsifal.nando.net>

This is one of my Important Restoration Truisms:

"How to clean radio dials"

DON'T!

A dirty dial will remind you that you are using an antique piece of communications gear, every time you use it.

A dial with part of the marking rubbed off will remind you that you are a bonehead for messing it up, every time you use it.

The choice is yours!

/john  
:-)

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: HAMRLUND@aol.com  
Subject: Re: Cleaning Drake (and other) Dials  
Message-ID: <950717195500\_116948367@aol.com>

To Bone or not to Bone, mmm...How can I mess it up?.. ; -)

the CHOICE is your's!!!

robert :>)

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: rblank@legend.txdirect.net (Richard A. Blank)  
Subject: Re: Cleaning Drake Dials  
Message-ID: <9507180334.AA04611@legend>

>>Hello all,  
>>  
>>I tried a soap and water solution, and that took some of it off. Are there  
>>any other cleaners I could use, without damaging the numbering? Any  
>>suggestions on getting the area in between the discs?  
>>  
>  
>A hot solution of automatic dishwashing detergent will definitely take the  
>smoker's stain off. However, some paints, pigments, and dyes do react  
>adversely to this stuff, so you'll want to be careful of the dial markings.  
>  
>Good luck, and please let the BA group know what success you have getting  
>these stains off.  
>  
>73,  
>  
>Jim - km6nk  
>  
>  
Use a MILD household cleaner, something like "Murphy's Oil Soap" or  
some other non-caustic cleaner in a very mild dilution as a soak...  
soak the dial in this and watch it every few minutes...the scum should  
come off after a while...you may also use a clean SOFT toothbrush to  
lightly scrub the dial with....works for me!

If the plastic has been stained and discolored, though, then there  
is basically nothing that you can really do to whiten them....

Go ahead and disassemble the dial assy. and clean it right, it'll  
be worth it in the end...

I would be careful of any cleaners with ammonia in them or window  
cleaners with vinegar...these have a nasty habit of reacting with  
paint in an adverse reaction, just when you dont want it to! I know,  
because it's happened to me!

just my 2 cents....

Rick Blank, KI5SL  
2223 Blanco Road  
San Antonio, Texas 78212

AMSAT NA 26195  
KI5SL@K3WGF.STX.USA  
rblank@txdirect.net

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: Dave Stinson AB5S/7 <72227.1640@compuserve.com>  
Subject: COMMAND SET TRADES  
Message-ID: <950718052537\_72227.1640\_EHM155-1@CompuServe.COM>

Hi Gang! I have some Army SCR-274N parts I need to trade for their Navy ARC-5 counterparts.

I have a black wrinkle FT-232-A Army single transmitter shock mount I'd like to trade for an MT-68 Navy single transmitter shock mount.

I have a black wrinkle FT-226-A Army two transmitter rack I need to trade for an MT-71 Navy two transmitter rack.

Both are good/complete/unmodified and I would ask for good/complete/unmodified in return. I would purchase a modified transmitter rack, if it's restorable/complete.

Also looking for an MT-70 two transmitter shock mount, for which I would pay cash or work some other trade.

Thanks very much, all!

73 DE AB5S/7 Dave Stinson  
Lost Wages, Nevada

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: SKIPPERM@MTC1.MID.TEC.SC.US  
Subject: conceal  
Message-ID: <950718074458.20400454@MTC1.MID.TEC.SC.US>

OK ! I must have missed the original post. What are we to un-conceal?

Skip

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
Subject: Re: Flea at MIT  
Message-ID: <Pine.3.89.9507171733.A10373-0100000@indy1>

On Mon, 17 Jul 1995 MICHAEL@ecs.umass.edu wrote:

> of around 20 assorted types; said I could have the tube for 50 cents  
> or the whole box of 'em for \$2. Well, what would you have done?

H'mmm...any 6C6, 76 or 79 tubes in that lot? Any 2A3s or 45s? :)

> One of the 'tubes' wasn't actually a tube at all. Looks like a short  
> GT, maybe an undernourished 6SN7GT, but has a pair of contacts inside  
> the envelope. It's labelled on top: AMPERITE 115N03 RELAY, and one of  
> the contacts has a mica insulator attached with some resistance wire  
> wrapped around it. Anyone know what this beast is?

Congratulations, you've got a thermal time delay relay. Numbers read off in the format coil voltage/contacts/delay, making that one 115V, normally open (NO), three seconds...which seems a bit short. Might try heating it up and see. They're pretty nice and very dependable, though the heater eventually opens up.

73,  
--Bobbi

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995

From: WaltN@aol.com

Subject: Re: Flea at MIT

Message-ID: <950718092304\_35172097@aol.com>

In a message dated 95-07-17 16:05:49 EDT, MICHAEL@ecs.umass.edu writes:

One of the 'tubes' wasn't actually a tube at all. Looks like a short GT, maybe an undernourished 6SN7GT, but has a pair of contacts inside the envelope. It's labelled on top: AMPERITE 115N03 RELAY, and one of the contacts has a mica insulator attached with some resistance wire wrapped around it. Anyone know what this beast is?

---

I believe this is a time-delay relay, 115V coil (probably AC), Normally Open, 3 seconds delay (probably delay-on-break). A not-so-old Allied or Newark catalog should have this...I'm in a hotel room far from home :-( or I'd be happy to look it up.

Walt

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: steve@hi.com (Steve Byan)  
Subject: Re: Flea at MIT  
Message-ID: <v02110102ac316ca3eb5b@[140.243.30.128]>

>One of the 'tubes' wasn't actually a tube at all. Looks like a short  
>GT, maybe an undernourished 6SN7GT, but has a pair of contacts inside  
>the envelope. It's labelled on top: AMPERITE 115N03 RELAY, and one of  
>the contacts has a mica insulator attached with some resistance wire  
>wrapped around it. Anyone know what this beast is?

A thermal delay relay. The resistance wire heats up, expands, and the contacts close. The 115 sounds like it runs on 115 volts; the 03 must be the delay specification - three seconds, perhaps?

Regards,  
-Steve

Steve Byan internet: steve@hi.com  
Hitachi Computer Products (America), Inc.  
1601 Trapelo Road phone: (617) 890-0444  
Waltham, MA 02154 FAX: (617) 890-4998

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>  
Subject: Fwd: Need help about STR tubes  
Message-ID: <60843.morgan@speckle.ncsl.nist.gov>

### Anchorites:

Any ideas or lore for this legitimate writer of tube history?

----- Forwarded message begins here -----  
From: Eric Barbour <ebarbour@netcom.com>  
Newsgroups: rec.antiques.radio+phono  
From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
Subject: Isoplethics  
Message-ID: <Pine.3.89.9507181022.D25553-0100000@indy2>

Hi!

Just thought I'd drop a quick note about a fine source of BA-type parts; I have ordered a nice 6/36:1 Jackson Brothers vernier dial (similar to a National ICN by description) from Isoplethics in the UK; while the dial hasn't arrived yet (soon I hope!), they sent a few Jackson Brothers catalogs and a price list for customers outside the EU.

\*Very\* nice stuff--the classic 4489/C dial and drive (similar to a National AM, though the dial is flat and may be reversed for a customer-applied custom scale \*and\* it includes a hairline cursor which the AM lacked and needed) is about US\$29 including shipping, and a \*wide\* variety of good variable condensers, at prices ranging from some nice small receiving-type & bandspread caps (approx US\$10) up to 2-3kV transmitting types (~US\$23), and for the VLF/wide-range transmatch fan, how about a 4-gang, 532pF per section variable? It's not cheap (US\$70), but it sure beats not being able to find one when you really need it!

Some Jackson Bros. parts are available in the US, most notably from Radiokit (who could use the business--P.O. Box 973; Pelham NH 03076); but if they don't have it, Isoplethics (13, Greenway Close; North Walsham; Norfolk NR28 0DE; UK) is certainly the outfit to look to! Nice motto, too: "Real Radio Resources."

73,  
--Bobbi

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: Robert2039@aol.com  
Subject: Johnson Viking Messenger  
Message-ID: <950718082904\_35149062@aol.com>

I was recently given one of these sets in fairly good shape (a little rust). It's a 4 channel cb (YUK! I hate childrens band!). I thought this thing was made as a ham rig. I guess the company made cb's out of them too. I have 2 questions. How to convert the set to 10 meters? (It's AM) And also, How much power can I get from the final amp tubes? I heard these old sets can put out about 30 watts or so. Right now the power out is about 4 & 1/2 watts. Have no problem building a VFO for it. Just want to see if I can work the 10 meter AM stations I hear on my R-390a with the set. Thanks!

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: Johnson Viking Messenger  
Message-ID: <Pine.SOL.3.91.950718083643.23130D-100000@clark.net>

On Tue, 18 Jul 1995 Robert2039@aol.com wrote:

> I was recently given one of these sets in fairly good shape (a little rust).  
> It's a 4 channel cb (YUK! I hate childrens band!). I thought this thing was  
> made as a ham rig. I guess the company made cb's out of them too. I have 2  
> questions. How to convert the set to 10 meters? (It's AM) And also, How much  
> power can I get from the final amp tubes? I heard these old sets can put out  
> about 30 watts or so. Right now the power out is about 4 & 1/2 watts. Have no  
> problem building a VFO for it. Just want to see if I can work the 10 meter AM  
> stations I hear on my R-390a with the set. Thanks!

As I recall, these were considered the best of the CB sets of their time and were in great demand. In fact, I was in Minneapolis and bought one for the express purpose of bringing it back to DC to sell at a profit. I made my profit as planned.

In all honesty, I wince at the thought of cutting up anything E.F. Johnson even if it's a CB set. Maybe an EFJ collector might take it off your hands and you can find a rig to modify that doesn't have, and never will have any collector value, like a Yae-com-wood something or other.

73,  
Tony  
K4KY0

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: Nick England <nick@cs.unc.edu>  
Subject: JPS AN4 antenna noise canceller  
Message-ID: <199507181342.JAA27284@altair.cs.unc.edu>

I bought one at a hamfest Saturday - haven't had a chance to hook it up yet, but I did take a quick look inside:

2-3 xstrs are used to detect RF and switch a relay from transmit to receive mode. Supposed to work OK with xcvrs up to 150w output I think.

2-3 xstrs are used to amplify and invert the noise signal. There are two pushbuttons to set freq range and noise phase range and two pots to adjust noise gain and noise phase.

The noise antenna input is from either a screw-in vertical whip or from a phono jack.

Requires an external 12v p/s (wall unit). Typical high quality JPS construction.

Instructions have a few typos but seem OK. Typical usage is with whip for inside computer noise, etc. or with external noise dipole aimed at the AC power lines, electric fence, etc.

I have some really noisy stuff in the neighborhood and figured I'd give it a whirl. Will let you know how it works.

Nick KD4CPL  
nick@cs.unc.edu

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: Steven Wilson <randyw@crl.com>  
Subject: JPS AN4 antenna noise canceller - A question  
Message-ID: <Pine.SUN.3.91.950718061218.175A-100000@crl5.crl.com>

I remember a few weeks ago that someone on the list said this thing works.

Did anyone ever tell about the circuit ?

It is a LC circuit and uses a sense antenna, but then what ? Does it only work for vertical radiated signals since the sense antenna appears to be vertical ?

I have read a lot about the circuits used in the 1920's that appear to be similar, but I do not believe 50 db noise reduction - and the ad says that is typically. Also there does not appear to be a band switch, one tune circuit operating from 100 khz to 80 mhz seems a bit much.

I also note it has a pwr on light ?

Please someone look in side, what is in this magic box ?

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Grant Youngman <gyoungma@jaws.gtetel.com>  
Subject: RE: JPS AN4 antenna noise canceller - A question  
Message-ID: <Chameleon.4.00.4.950718085718.grant@nq5t.gtetel.com>

>  
>I remember a few weeks ago that someone on the list said this thing works.

>  
>Did anyone ever tell about the circuit ?  
>  
>It is a LC circuit and uses a sense antenna, but then what ? Does it  
>only work for vertical radiated signals since the sense antenna appears  
>to be vertical ?  
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>I have read a lot about the circuits used in the 1920's that appear to  
>be similiar, but I do not believe 50 db noise reduction - and the ad says  
>that is typically. Also there does not appear to be a band switch, one  
>tune circuit operating from 100 khz to 80 mhz seems a bit much.  
>  
>I also note it has a pwr on light ?  
>  
>Please someone look in side, what is in this magic box ?  
>  
>  
I still haven't actually opened it up -- must be the first time in as long  
as I can remember when that wasn't my first order of business after  
acquiring a new box -- oh, well.. too much other stuff laying in pieces  
on the bench. JPS does not supply a schematic.

The ANC-4 uses active elements. Its not just a passive device. That's why there is a power connector. It has two frequency ranges - with the split at about 20 MHz. And two ranges for the phase control. Sometime in the last year or two there was a construction article in QST on a similar unit -- I presume the ANC-4 bears at least a family resemblance.

I can't vouch for the 50dB number, but I can tell you that it works extremely well. Its nice to pick up an item that actually does pretty much what it claims to do without having to add a host of caveats.

The polarization of the noise antenna is not particularly important for local noise. I use an external noise sense antenna (real short vertical whip) 150' behind my house by the power lines. Power line noise and reradiated grunge from my neighbors garbage generators is my primary problem. You would likely have to experiment a bit to see if you could get by with the noise antennas supplied (whip and short wire) or would need something more.

Grant

---

Grant H. Youngman -- NQ5T (ex: K5VCM, W0JXE, KH6HHC, WB4BBB)

The opinions, old wive's tales, mistakes, and downright stupid comments made here are fully mine, and certainly not my employer's. My employer is quite capable of doing the same on his own behalf.

gyoungma@gtetel.com  
us007699@interramp.com

---

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: k1zat@bah.com  
Subject: Re: Liddy Slams PRC-112  
Message-ID: <Pine.SUN.3.91.950717214817.26889C-100000@booz.bah.com>

> Gordon Liddy slammed the PRC-112 rescue radio today as a \$4800 antique that  
Sounds like a "short between the headphones" to me..

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: Re: Liddy Slams PRC-112  
Message-ID: <9507181336.AA07639@speckle.ncsl.nist.gov>

>> Gordon Liddy slammed the PRC-112 rescue radio today as a \$4800 antique that  
>  
> Sounds like a "short between the headphones" to me..  
>

As a person who flew over the North Atlantic more than a short way from the ship when the water temperature was 38 F (that means survival time was about 10 minutes), I propose that Mr. Liddy be lowered into that ocean with a \$48 radio and a \$50 life raft.

Then (IF he survives at all) we can ask him if he would have wanted a better quality outfit.

-- Roy --  
Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
---

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: David Barts <davidb@scn.org>  
Subject: Re: Military BA Paint Source  
Message-ID: <Pine.SUN.3.91.950718171227.28289A-100000@scn>

On -1 xxx -1, Tony Stalls (K4KY0) wrote:

> I've bragged on how nice the folks at House of Color (423 West Market  
> Street, Aberdeen, WA, 98520, 206-532-5242) were before. I have more.  
> [edited]

If not already obsolete, that phone number soon will be. Aberdeen is now in the new 360 area code.

David W. Barts (davidb@scn.org)  
REAL radios glow in the dark.

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: Navy Model REH Receiver  
Message-ID: <Pine.SUN.3.91.950717200715.3814E-100000@coyote.rain.org>

Mike, I believe the original poster mentioned that it was a troop entertainment receiver. In that context, the band arrangement would make perfect sense. You are correct in assuming that operations in the commercial SW bands would have been near-impossible, but building a marine-band receiver for entertainment would not have thrilled the troops. There were a number of such receivers built, including the R-100/URR which was mentioned in a recent post. The REH was far from being the only "entertainment" receiver the Navy built! Just ask the E.H. Scott collectors...

On Mon, 17 Jul 1995 Michael.J.Knudsen@att.com wrote:

> The frequency bands for that REH look amazingly like the international SW BC  
> bands, suggesting a revamped consumer design (?). I would've expected for  
> more of the marine bands, like 8-9 MC.  
>  
> Maybe the Navy tried taking over the SW BC bands during the war, but  
> that doesn't seem real wise. Taking over hte ham bands would make more sense,  
> since (a) hams were QRT for the duration, and (b) the radios' suprlus value  
> would be greater after the war :-) --mike k w9nrd  
>  
> PS: Belmont was a leading Chicago maker of "house brand" consumer sets,  
> for outfits like Sears Silvertone, Western AUto Truetone, etc.

> Wells-Gardner, also of Chi-town, made the rest.  
>

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
Subject: Need help about STR tubes

I am writing two historical articles about audio tubes.  
One is for EL34s, the other for the 60th anniversary of  
the 6L6. Here's my question:  
What was the REAL origin of the Sylvania "STR" 6L6GC and  
6CA7? I have some doubts about the Fender story, and  
Mesa-Boogie couldn't possibly have afforded an OEM order  
in 1972-73. I heard a story that Sylvania developed it for  
JAN military sale, and just offered it to Fender for guitar amp  
use. I tried to get someone at Philips/ECG/Sylvania in  
Altoona/Emporia, and had NO luck at all.  
If someone here could get me some really good facts, I can  
make it worth your while.....

eric barbour  
Vacuum Tube Valley  
Glass Audio  
message: (408) 733-6146

----- Forwarded message ends here -----

--  
Roy -- Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
---

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: don merz <71333.144@compuserve.com>  
Subject: PE-120, FT-250, DY-88 FS  
Message-ID: <950718023117\_71333.144\_DHQ74-1@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com

Military PE-120-B power supply for the BC-620 and BC-659 WWII jeep

radios. Surface rust on case but all clips are intact and no damage--nothing that a wire brush and some olive drab spray couldn't cure. Appears to be like new inside. \$69

Military FT-250-K shock mount for the PE-120 power supply. Extremely rare original mount in same condition as power supply above. \$79

Military DY-88/GRC-9 dynamotor and vibrator power supply for the AN/GRC-9 and BC-1306 backpack radios. 6, 12 or 24 volt, switchable. Appears to be brand new inside and out. Untested. \$45. The required supply-to-radio cable is still available from Fair Radio Sales.

RME MC-55 HF mobile converter parts unit. No case, no knobs and the electronics are questionable. Good dial glass and front panel. \$4

PS-225 dynamotor. No mount. Rusty. \$3

Orhto Filter Corporation Crystal Filter Model 2134. Center Frequency is 10.7mc, 6DB, 15kc bandwidth. \$7 each, 3 to sell.

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: n5off@w5ddl.aara.org

Subject: PRC-112 vs flip phone

Message-ID: <137536@w5ddl.aara.org>

No one answered on the worldwide availability of cell phone service, but I suspect a flip phone would not make it very long in seawater.

73 de tom

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: tschuld@gpu.srv.ualberta.ca (Chris Dorn)

Subject: Pricing on Drake DC4

Message-ID: <199507181611.KAA26334@bock.ucs.ualberta.ca>

Hello,

Do any of you Drake fans out there know what the DC4 power supplies go for? I have one that I'm thinking of selling.

Chris VE6RDC

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: Bill Strangfeld <bstrang@iac.net>

Subject: Re: QST article needed...

Message-ID: <Pine.SUN.3.91.950718112016.12387C-100000@little-miami.iac.net>

> A friend, WB5JWI, is looking for an article from (he believes) the 60's

> entitled "Love Those Ripplin' Dits"...ring a bell with anybody??  
>

"Love Them Dits," John Troster, W6ISQ, QST, 7/62, p. 45. One of the many John Troster satires that QST used to run.

73, Bill

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: "Denny Gilbertson" <GILBERTSON@ics.uwex.edu>  
Subject: R-366/TRR-5 Receiver  
Message-ID: <MAILQUEUE-101.950718074404.352@ics.uwex.edu>

I've acquired a R366/TRR-5 Radio Receiver. It is part of the AN/TRR-5 receiver system. Navy Dept-Bureau of Ships. By contractor Espy Manufacturing Co. Ny. Ny. Contract N0bar 43229.

Freq coverage: 550 kHz to 30 mHz. in five bands. It has a large circular tuning dial. shape of window is similar to one sgement of a Hammerlund 180 but larger. There is no bandspread.

Tube line up is

first RF.....6BA6  
second RF.....6BA6  
mixer .....6BE6  
HF osc..... 6C4  
first IF.....6BA6  
second IF.....6BA6  
cw osc.....6BA6  
det/noise lim....6AL5  
AGC rect.....6AL5  
scanning amp..... 6J6  
first AF amp....12AT7  
second AF amp....12AU7  
AF pwr Amp..2 ea..6AQ5  
HV rect.....5R4GY  
Voltage reg.....OA2  
No signal strength meter.

Does anyone have information about the history of this model. Whose design is it. What was it used for. Was it an entertainment RX? What was the scanning segment used for? Does anyone have a manual? The schematic is lamminated and riveted to the top of RF section cover.

Thanks for your help:  
Denny Gilbertson  
K9JCZ

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: "James T Hanlon" <jthanlo@jade.imdi.sandia.gov>  
Subject: RE: R-366/TRR-5 Receiver  
Message-ID: <9506188060.AA806086168@jade.imdi.sandia.gov>

Denny,

Well waddayaknow! Somebody else has an R-366! I've got one too. The donor said something like, "Jim, I have this radio that is big, heavy, ugly and doesn't work very well." I was hooked, of course.

I do have a couple of pages of info on it at home which I will fetch this evening and copy for you.

If you come up with a manual, I'd appreciate a copy.

Jim Hanlon, W8KGI

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: Jeffrey Herman <jeffrey@math.hawaii.edu>  
Subject: R.I.P.: Zenith Corp.  
Message-ID: <Pine.SUN.3.91.950717233818.2105B-100000@kahuna>

Just heard on the news that our Zenith Corporation has been bought out by a South Korean company.

Jeff NH6IL

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: R.I.P.: Zenith Corp.  
Message-ID: <Pine.SOL.3.91.950718081046.23130B-100000@clark.net>

On Tue, 18 Jul 1995, Jeffrey Herman wrote:

> Just heard on the news that our Zenith Corporation has been  
> bought out by a South Korean company.

It was an item on the CBS Evening (TV) News yesterday too. They reported that it is the last of the US television receiver manufacturers. Now, if you want to watch TV or a video, you have to rely on offshore products. Remember when everything good had "Made in the USA" stamped on it? Now all we have are ca. \$11.6 billion monthly trade deficits with Japan. Just how long do you suppose the US economy will last at this rate?

Getting back to the most recent loss, as I recall, the founder of Zenith was a ham and the name came from his call, which I believe was 2ZN at the time. Can anybody confirm or deny that?

73,  
Tony  
K4KY0

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: Michael.J.Knudsen@att.com  
Subject: Re: R.I.P.: Zenith Corp.  
Message-ID: <9507181831.AA02038@bock.ih.att.com>

Yes, a shame, tho the newspaper article implies that Goldstar will keep Zenith's production and R&D intact. They want that digital HDTV!

Zenith began as Chicago Radio Labs. THis little company had a ham station, 9ZN. So they started using a Z-Nith trademark on the sets they sold, back in early '20s when Ham radio and BC listening were a lot more alike (it took some skill to get what little was on the air).

Later they spelled it out to Zenith and quickly renamed the company to it.

About that time, Major MacDONald took over the company, built it up and nursed it thru the Depression. I don't recall he was a Ham, but he was into yachting, and marketed the Trans-Oceanic all-wave portables at the boating crowd.

BTW, Zenith has a color picture tube plant near Chicago that Goldstar will be expanding. However, for some years Zenith TVs (they quit making those gorgeous transistor allwave portables in the early 80s) have been assembled in Mexico. --mike k

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: Michael.J.Knudsen@att.com  
Subject: R390A AGC problem question

Message-ID: <9507171643.AA00921@bock.ih.att.com>

The talk about Hang AGC reminded me to ask:

On my original R390A (the one that's still 100% hollow state), when you switch from Slow back to Medium or Fast AGC, the RX blanks out totally for a couple seconds, as the big Slow AGC cap dumps its charge into the AGC line.

Switching AGC speeds in the other direction (Fast to Slow) is glitch-free.

Now is this effect normal, something we put up with, or is there a bug in my rx? No big deal, but you do miss a sentence or two of phone when it happens. My 2nd R390A, with the solid-state mods, doesn't exhibit this glitch. I think its AGC circuit is original (still tube); only the detector and BFO tubes have been replace by FETs and an IC (works great, too).

For reference, I find the Fast AGC actually recovers and pumps noise between elements of moderate-speed CW; Medium pumps noise between words of SSB; and Slow is FB for SSB and CW if the SQB isn't ruff. If your R390A differes much from these observations, maybe something's wrong with my discharge circuit.  
--mike k w9nrd

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995

From: Gary Pewitt <gpewitt@execpc.com>

Subject: Re: R390A AGC problem question

Message-ID: <Pine.SOL.3.91.950717201727.15105A-100000@earth>

When I was in the Air Force (62 to 66) our TLQ-11 spot jammer had what was called "instantainious automatic gain control". The received signel went through about 100 feet of coax inside the cabinet while the agc went direct so that the gain control was applied before the signel arrived. Has anyone ever used such a system in a radio? The travleing wave tube had a hydralic tuning slug that could change frequency so fast it could jam a radar before it received more than a very few pulses back from the target. It was a lot of fun for a lowley airman 2nd class to be in charge of a \$13,000,000.00 ecm van. I used to tune in the audio from local tv channels on our c band panadaptors in between bomb runs. The only planes I couldn't "shoot down" were the B-58 Hustlers with the gate snatcher radar jammers. I couldn't even tell which way they were going. Our aquisition radar put out 1000,000 watts. I wonder how many ducks we sterilized? Except for the computer in the T6 van everything used tubes. Some boatanchors.

73 de Gary N9ZSV

On Mon, 17 Jul 1995 Michael.J.Knudsen@att.com wrote:

> The talk about Hang AGC reminded me to ask:  
> On my original R390A (the one that's still 100% hollow state),  
> when you switch from Slow back to Medium or Fast AGC, the RX blanks  
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> Switching AGC speeds in the other direction (Fast to Slow) is glitch-free.  
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> and Slow is FB for SSB and CW if the SQB isn't ruff. If your R390A differes  
> much from these observations, maybe something's wrong with my discharge circuit.  
> --mike k w9nrd  
>

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: jmartin@hrlban1.aircrew.asu.edu

Subject: Radiotron Designer's Handbook 4th Ed.

Message-ID: <SA39+Vy+1ka@hrlban1.alhra.af.mil>

I have two copies of the Radiotron Designer's Handbook, 4th edition by Langford-Smith (the thick red one so many people seem to want) available:

1- Good condition, edges of cover slightly scuffed, all pages intact and excellent..... \$30.00  
2- Fair condition, cover and edges worn, spine was separated but now is glued (some dried tape 'goo' remains on outside from some earlier patch job), all pages intact and excellent.... \$20.00

If interested, contact me at the following e-mail address:

jmartin@hrlban1.aircrew.asu.edu

73, John Martin

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: jmartin@hrlban1.aircrew.asu.edu

Subject: Radiotron Designer's Handbook 4th Ed.

Message-ID: <SA39+5721ka@hrlban1.alhra.af.mil>

To all boatanchorites,

The response to my offering the two Radiotron Designer's handbooks was overwhelming; the books now are sold. I wish I had about ten times that many to offer, as they'd all be gone. Lacking that, I could only offer these to the first two who responded (separate messages sent). Thank you all for your interest. If I run across more of these, I'll make them available also.

73, John Martin

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995

From: wkleros@csn.net (Bill Kleronomos)

Subject: Reading Illegible Tube Numbers

Message-ID: <199507180201.AA21030@ns-1.csn.net>

A question was asked as to how to read illegible tube numbers. Here's an old trick that works much of the time:

First, if the number is illegible, DO NOT CLEAN, RUB OR WIPE THE ENVELOPE.... (assuming the bottle isn't mud-covered). Doing so will make matters worse. Take the uncleaned tube and place in kitchen freezer. Wait perhaps 15 minutes until "darn cold". Remove tube and carefully hold by its top and bottom. If it's humid, a light layer of frost or condensation will naturally form on the envelope. If not, breathe on it a bit. Hold tube up in a well-lighted area and slowly rotate envelope without touching the sides-- look for numbers where you'd expect them to be-- generally a ghostly image of the number will appear in the frost, then will fade as tube warms.

If the tube becomes liquid moisture covered, this won't work. Let tube air-dry and retry. This has worked for me about 75% of the time on illegible tube printing....Bill

"Peak the grid, dip the plate, dive right in- don't hesitate!"

- de KD0HG/AAR8CC, ex WA90ZC

CE: KBCO AM 1190 KC & KBCO FM 97.3 Mhz

Rocky Mountain Director- AM International

wkleros@csn.net

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: Michael.J.Knudsen@att.com

Subject: Re: Reading Illegible Tube Numbers  
Message-ID: <9507181807.AA01893@bock.ih.att.com>

Good old tube trick, but remember that some tubes are stamped on the top instead of the sides, so be careful to look (and not rub in any way) there as well. Especially true of Loktal types. 73, mike k w9nrd

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: tschuld@gpu.srv.ualberta.ca (Chris Dorn)  
Subject: Sick TR4  
Message-ID: <199507181608.KAA26219@bock.ucs.ualberta.ca>

Hi,

I have a sick TR4. The audio that pours out of it is extremely harsh, and very constricted. I have cleaned the T/R relay thinking there was a bad contact. The calibrator signal is strong, and suggests that the filter slopes are okay, by tuning in and away from the signal. The audio is the same through headphones. There is a tell-tale growl when the unit is turned on that suggests that the electrolytics are not what they should be. Has anyone experienced this kind of problem, and was it the caps?

Chris VE6RDC

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: swgate3!STLMAIL7!MK2331@wuarchive.wustl.edu  
Subject: subscribe  
Message-ID: <m0sYDVF-00010uC@swgate3>

Microsoft Mail v3.0 IPM.Microsoft Mail.Note  
From: KASTIGAR, MATTHEW (MM)  
Subject: subscribe  
From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: SX-43 Manual Wanted  
Message-ID: <9507181720.AA05206@speckle.ncsl.nist.gov>

Anchorites,

WANTED: manual or copy for Hallicrafters SX-43.

Will trade other manual copy or pay costs.

Thanks.

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

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From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: TDZ  
Message-ID: <Pine.SUN.3.91.950717231208.3035A-100000@coyote.rain.org>

Are you \*sure\* you want to know how big/heavy, Jerry? Okay...

Height: 32 1/16 inches  
Width: 24 3/4 inches  
Depth: 25 11/16 inches  
Uncrated weight: 760 pounds

The crated transmitter is 800 pounds, but the crated accessories are 1,000 pounds! Transmitter requires better than 0.8 KVA at >0.9 power factor; your option as to whether you want to use 110/220/440 VAC at 60 cps.

BTW: Tom had thought you'd be ecstatic to get that fax on his ability to ship the antennas. You might want to contact him. He also verified that he does get ELECTRIC RADIO, and has the nomenclature article.

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Andy Wallace <wallace@mc.com>  
Subject: Tek 535 / G plug in -- tips?  
Message-ID: <9507182253.AA13779@kali>

I am getting a Tektronix 535 oscilloscope and a type G dual-trace plug-in for a tiny amount of cash. I have the manuals for both, and a pair of Tek probes which are not the same model, but which should work. I haven't picked up the stuff yet, so I haven't actually seen the equipment, but I am told that it is in very nice physical shape.

Known problem: trace, but no sweep. Just a spot in the center. Also, the leather handle is broken.

- 1) What should I look for with the sweep problem? Tube failure?
- 2) I saw someone advertising replacement handles someplace. Who was that, and are they expensive?

- 3) What sort of tips can anyone give me for 535-era scopes? What should I check right away, and what should I be on the lookout for?
- 4) What are some other "nice plug-ins to have?" I haven't paid any attention to the ads in the swap sheets before!
- 5) Is the OSCILLOSCOPES: SELECTING AND RESTORING A CLASSIC book worthwhile?

I know that this is just a 10 MHz scope with the G plug-in, but if I don't get too tired of the huge amount of space it will take up, maybe I will keep it for BA repairs. Certainly I can cover on-air tests of 80M and various IFs. Oh, one last thing -- the manual mentions using silver solder for this, as that is how the ceramic terminals are bonded. (I've never seen the innards of a Tek scope.) Where can I get silver solder? All I have is made for jewelry work and I imagine the melting point would be too high.

Any 535 tips and curses welcome here! And since it itself is a BA, perhaps to the List as well. I know we've talked about these before!

Tnx es 73,  
--Andy

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: Michael Crestohl <mc@shore.net>  
Subject: The Collins Journal (AKA: The Grey Sheets)  
Message-ID: <199507181127.AA25650@northshore.ecosoft.com>

Hello Folks:

I have been a subscriber to Dave W3BJZ's excellent newsletter. It has much useful information on maintaining and understanding Collins radios and also provides access to the marketplace through free classified ads. It is definitely a basement project and a labor of love as well. \$15.00 a year is cheap for the knowledge and wisdom that can be derived through its pages. A compendium of past issues (minus ads) is available and I understand from talking with Dave he will be revising and updating it very soon.

Well worth it for the Boatanchor enthusiast.....

Cordially,

.. .  
/ \ .. .  
/ \ .. .  
/ \ .. .  
/ \ .. .  
-/-Michael Crestohl KH6KD/W1/---\---/-\---/---\-----/---\--mc@shore.net-\--

\ \ / \ / \ / \ / \ /  
From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Andy Wallace <wallace@mc.com>  
Subject: Viking II CD  
Message-ID: <9507182311.AA13816@kali>

Your post reminds me.... What was special about the Johnson Viking II CD model? Was it just the CD markings, if any, or did it have a special frequency range?

..I assume it wasn't screamin' yellow like the Gonset CDs!

--Andy

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: wkleros@csn.net (Bill Kleronomos)  
Subject: WTB: Type LC Connectors  
Message-ID: <199507181345.AA06026@ns-1.csn.net>

Am in need of several chassis mount type LC connectors (receptacles). They resemble a type-N chassis jack except they are about twice as large. The threaded part of the connector is about 1-1/4" diameter. These were used on old radar and similar types of high powered BAs. Please e-mail if you can help or can suggest any commercial sources....Bill

"Peak the grid, dip the plate, dive right in- don't hesitate!"  
- de KD0HG/AAR8CC, ex WA90ZC  
CE: KBCO AM 1190 KC & KBCO FM 97.3 Mhz  
Rocky Mountain Director- AM International

wkleros@csn.net

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Bill VanAlstyne <bill@cruz.com>  
Subject: Xcelite Bristol Spline set received!  
Message-ID: <199507182347.AA13265@cruz.com>

Got my 99-PS60 Bristol spline set from Marshall today, and thought I would pass along the Xcelite part number for the correct blade for the R-390A,

which I didn't know before. It's the 99-66 blade.

Don't have a source for the separate blade (Marshall lists only smaller ones available separately), but if you can find an Xcelite distributor that has it or will get it without the minimum \$30 purchase required by Marshall, and you already have an Xcelite "99" type (or equivalent) torque handle, then you won't need to get the whole set. The 99-66 is the only one you need for the R-390A.

Bill VanAlstyne  
N6FN  
bill@cruz.com

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995

From: mark\_gaidos@MENTORG.COM (Mark Gaidos)  
Subject: Zenith acquired by L.G.E. (Goldstar)  
Message-ID: <9507171846.ZM28024@bugs>

I know this is a bit off-subject, but I just caught the news off the wire-service. This just puts a big pit in my stomach. To add insult to injury, the purchase price seems to me to be extremely low. Very, very sad.

GLENVIEW, Ill. (AP) -- Zenith Electronics Corp., the last U.S.-owned television maker, will be acquired by South Korea's L.G. Electronics, formerly Goldstar Co., for \$350 million, the companies said Monday. The deal means Zenith has lost its long struggle to remain independent. LGE will pay \$10 a share for 16.6 million newly issued shares of Zenith common stock and 18.6 million existing shares. LGE now owns 1.45 million shares, or less than 5 percent of Zenith common stock.

--

^ Mark Gaidos  
/ \ ^ Mentor Graphics  
/ \ / \ Wilsonville, Oregon USA  
/ \ / \ (503) 685-1278  
| | mgaidos@wv.mentorg.com

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: Michael.J.Knudsen@att.com  
Subject: Re: Zenith acquired by L.G.E. (Goldstar)  
Message-ID: <9507181805.AA01827@bock.ih.att.com>

Yeah, I saw that in this morning's paper too.  
Very sad for a collector of vintage radios.

However, the stock was selling for only about \$8.50 a share at the time, so ten bucks a share isn't so bad.

But Goldstar of all things. The quality goes out when that name goes on.  
--mike k

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: "Kenan, Larry" <l1k@sandshark.sandiegoca.ATTGIS.COM>  
Subject: RE: Zenith acquired by L.G.E. (Goldstar)  
Message-ID: <300C2DC1@sharkgate.sandiegoca.attgis.com>

> GLENVIEW, Ill. (AP) -- Zenith Electronics Corp., the last >U.S.-owned television maker, will be acquired by South Korea's L.G. >Electronics, formerly Goldstar Co., for \$350 million, the companies >said Monday. The deal means Zenith has lost its long struggle to >remain independent. LGE will pay \$10 a share for 16.6 million newly >issued shares of Zenith common stock and 18.6 million existing >shares. LGE now owns 1.45 million shares, or less than 5 percent of >Zenith common stock.

Very sad - that is the last one. I suppose that they got Heath along with Zenith, not that it matters anymore.

My first job was with the GE Television Department which GE sold, along with RCA Television, to Thomson (a French company) a few years ago. I felt bad about that and even worse about the final company. I guess that one thing I like about boatanchors is that they represent an era when America controlled its own destiny.

Larry Kenan

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: Joe Reda/HQ/3Com <Joe\_Red@3mail.3Com.COM>  
Subject: Re: Zenith acquired by L.G.E. (Goldstar)  
Message-ID: <9507182243.AA4238@hqsmtp.ops.3com.com>

Well, this is kind of sad . . even though I realize we are in a "global economy", I took a certain amount of pride in buying Zenith TVs (my current and previous sets). Not only did they have (according to my eyes) the best picture quality of the bunch, it was a proud, old, made-in-the-USA name. Does this mean that there are now no consumer electronics being manufactured in this country?

\\\JR KC6TXU

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: "penson" <penson@geom.umn.edu>  
Subject: RE: Zenith acquired by L.G.E. (Goldstar)  
Message-ID: <199507182252.AA21968@cameron.geom.umn.edu>

Zenith split off Zenith Data Systems several years ago and Heath went with ZDS...ZDS was then purchased by Group Bull. I dunno what happened to ZDS but Group Bull just sold Heath about 2 months ago. Not much info on who the buyer was. I heard it was a group of investors from out of Florida. I should have a little more info on this in a couple of weeks.

Chuck  
WA7ZZE

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995  
From: rblank@legend.txdirect.net (Richard A. Blank)  
Subject: Re: Zenith acquired by L.G.E. (Goldstar)  
Message-ID: <9507190056.AA07744@legend>

> Well, this is kind of sad . . even though I realize we are in a "global  
>economy", I took a  
>certain amount of pride in buying Zenith TVs (my current and previous sets).  
>Not only  
>did they have (according to my eyes) the best picture quality of the bunch, it  
>was a proud,  
>old, made-in-the-USA name. Does this mean that there are now no consumer  
>electronics  
>being manufactured in this country?  
>  
>\\\JR KC6TXU

>

>

Consumer, mass-market junk? Probably not (NOT implying anything about Zenith, I have a 32" of theirs that's wonderful) but there are high-end electronics that abound in the USA, i.e., stereo equipment by Mark Levinson, Conrad Johnson, Krell, Bob Carver's new company Sunfire, Carver Corp., JBL, Magnepan, Apogee Acoustics, MacIntosh, etc., it's just that these are not the cheap, crappy, disposable oriental gizmos that most Americans are used to purchasing at discounters...the best electronics and speakers are still American!

It just depends on what you want to buy...something that'll last until the warranty is up or something that you pass on to the next generation? My old Dynaco Stereo-70's still get amazed responses from my audio astute friends ( I have two, one on each Infinity RS-IIIA speaker) and has caused a few friends NOT to buy japcrap and to seek out decent audio gear..it makes a difference when you listen to the good stuff and train your ear to hear the differences...(at least to those that can still hear above 10Kc! I tested the other night and I could hear the 16kc test tones as clearly as ever).. The only problem is that this "training" can be a bad thing, too ;-)... it's hard to go to a theater that has a lousy sound system and enjoy a movie ;-))..just ask my girlfriend how I spoiled THAT for her!

Also, have you sat down and played with a Drake R-8? There is one on consignment at the local ham store that has a decent little 2-way bookshelf speaker hooked up to it...I sat one afternoon and played with the rig to get an idea of how it performed and what all the hub-bub that the SWL mags had been talking about....the R-8's audio is superb! International broadcasters or ham, each was handled very nicely by the R-8...it's kind of neat to use a wider filter than 2.1 or 2.4kHz to listen to a SSB QSO... I tried it on some strong sigs and was amazed at the difference, the voices sounded almost human! Not the same as being squeezed thru a lattice filter...

And my TenTec OMNI-V has a better receiver than my FT-990 by a long shot!

So, I think that electronic industry in America is not dead, it just has more specialized niches and offers a unique solution to consumers demands..

Rick Blank, KI5SL  
2223 Blanco Road  
San Antonio, Texas 78212

AMSAT NA 26195  
KI5SL@K3WGF.STX.USA  
rblank@txdirect.net

From boatanchors@theporch.com Tue Jul 18 21:16:00 1995

From: wier@bobcat.etsu.edu (Bob Wier)  
Subject: RE: Zenith acquired by L.G.E. (Goldstar)  
Message-ID: <9507190102.AA25482@bobcat.etsu.edu>

|Very sad - that is the last one. I suppose that they got Heath along with  
|Zenith, not that it matters anymore.

Actually, I am pretty sure that Heath went with the computer division to what  
was then Honeywell-Bull (don't know what it might be now).

We had some reps from Honeywell on campus about that time, and I asked if they  
were going to change the name to

BULLKIT

- for some reason they were \*not\* amused :-)

73 de WB5KXH

===== Round Up the Usual Disclaimers! =====  
Bob Wier, keeper of the Photo-3D, Icom radio (WB5KXH),  
Overland Trails, and Motorola HC11 mailing lists  
wier@bobcat.etsu.edu

currently in Ouray, Co at 8,000 ft. elevation  
(this is a \*high level\* system :-)

From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
From: KANAMAA%AMGATE%MATRXA@randb.pprd.abbott.com  
Subject: Zenith bought.... sob  
Message-ID: <01HT0CGBZ40I94F4MN@RANDB.PPRD.Abbott.Com>

From: Kana, Michael X.  
From boatanchors@theporch.com Tue Jul 18 09:49:00 1995  
Subject: Zenith bought.... sob

Boy, that's some depressing email to get this time of the morning....  
I was wondering if this purchase includes the HDTV research group  
as well as Zenith Data Systems? I guess I'd better go get the  
Chicago Tribune for the report. It just won't be the same driving past  
the big Zenith building on my way to O'Hare.

73 de AA9IL  
Mike Kana